



# ECO CARE



*A Section 32 Private Limited Company functional since 2004 and Registered in Feb 2016 with Security and Exchange Commission of Pakistan (SECP)*

# ECOS

## *Company Profile*

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## Projects Handled by ECCS and Professionals

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### Contents of Projects Handled By ECCS Professionals

International Projects

National Projects

#### Part A: Socio-Environmental/ Climate Change (SE/CC)

1. Clean Development Mechanism (CDM) Projects
2. Socio-Environmental Research Projects
3. Socio-Environmental Audit Projects
4. Ecology / Biodiversity / Conservation Projects
5. Socio-Environmental Assessment of Coal Thermal Power Project
6. Socio-Environmental Assessment of Mixed Energy Projects
7. Socio-Environmental Assessment of Afforestation
8. Socio-Environmental Assessment of Solar Power Projects
9. Socio-Environmental Assessment of Hydro-Power Projects
10. Socio-Environmental Assessment of Water Management/ Irrigation Projects
11. Socio-Environmental Assessment of Highways / Mass Transit Projects
12. Socio-Environmental Assessment of Waste Management / Drainage Projects
13. Socio-Environmental Assessment of Urban Development Projects
14. Socio-Environmental Assessment of Industrial / Economic Zones Projects
15. Socio-Environmental Assessment of Mining Lease Projects
16. Socio-Environmental Third Party Validation (TPV) Projects
17. Socio-Environmental Quality Assurance Projects
18. Safe & Secure Cities
19. Socio-Environmental Monitoring / Compliance

#### Part B: First Diet Care Research Centre (FDRC)

1. International Research
2. National Research
3. Development Sector (International)
4. Development Sector (National)
  - a. Nutrition Clinic
  - b. Food Supplements Division
  - c. Mass Communication
  - d. Consultancy to Private Food, Medical & Herbal Sector
  - e. World Food Days Observed by FDRC-ECCS

#### Part C: Ecocare community services(NGO)

#### Part D: Human Capital Management (HCM)

- Trainings/ Capacity Building in Food & Nutrition
- Training/ Capacity Building in Supportive Subjects

## Executive Summary

### International Socio-Environmental Experience

Professionals of ECCS remained part of the integrated environmental protection efforts of EU's external development policies and their contribution to global Water and Energy initiatives. It also included the study of multilateral environmental agreements for global partnership in strategic factors posed by Climate Change (CC) phenomenon which is hampering mass food production in the world. Dozens of wind power generation facilities were visited in Central Europe to study technical & environmental impacts of alternate energy options. Main parameters studied were noise, landscaping, migratory birds, stroboscopic effects, waterways, etc. Participated in the formulation of forest Carbon Accounting guidelines and REDD (reducing emissions from deforestation & forest degradation) projects to formulate Clean Development Mechanism (CDM). Effect of controlled nuclear bombardment ( $Co^{59}$ ) on food quality & safety as well as the assessment of environmental health was studied while converting high fiber materials into digestible form to produce good quality human/animal protein, as a part of food security system. Working relationship with all important international donor agencies, viz. WB, ADB, IDB, JICA, USAID, EU, GTZ; international professional organizations, like NORAD, ICIMOD, IUCN, WWF; and consulting companies, as SNC-Lavalin, Ivy Engineering UK, Storm Harbour USA etc.

### International Food Security Experience:

Professionals have availed opportunities as Institutional Researcher and conducted genuine research in a few top 500 universities of the world (ranked in 2001) between 1983-94 and 2000-01 and participated in 14 projects. Six research projects in three Pakistani universities and ten research projects in five international universities (Poland, Germany, Denmark & USA) were completed in the start of the career where major emphasis in Pakistan was on the enhancement of meat and egg quality for human consumption. Emphasis in foreign research was focused partly on meat quality but mainly it remained on the replacement of those animal feed resources which could be competitive with human food. Almost whole bulk of research publications (22 international & 36 national research papers) was appeared in international journals during decade i.e. 1983 to 1994 in Pakistan, Poland, Germany, Holland, Denmark, Czech Republic, India, except two papers published in USA in 2001.





## Inland Socio-Environmental Experience:

It pertains to Environment Impact Assessment (EIA) and other Environmental and Social System Analysis, for instance, IEE/ESIA and Resettlement Plan (RP) processing, due diligence, environmental auditing & POE counterpart of Water Resources Management; Power Generation (hydro, coal & solar); Transmission Line; Urban Development (Highway/Road/Building), Rural Development (poverty reduction) and Natural Resources Management. Impacts of human, industrial and agricultural effluent on aquatic resources (fishery, Indus Blind Dolphin & migratory birds) were assessed while working on Manchar&Hamal Lakes (Sindh) and Neelum, Jhelum, Chenab & Indus Rivers (including Taunsa Ramsar Sanctuary). Aquatic & terrestrial ecology were largely studied along Indus (from Bhasha to Taunsa), Gaj (Sindh), Kotli (AJK), Surkhab (Baluchistan) and Chenab (Punjab) Rivers, as well as along canal irrigation system (Area Water Boards of Punjab & Sindh). Impact of river discontinuity on fish migration due to barrages and dams as well as due to fish ladders was also studied, while impact of higher temperature on Trout was another area of deliberation. Game Reserves and National Parks were taken into account when studied Kashmir Highway (Islamabad), HazarGanji (Quetta), Machiara (AJK) and ChitralGol. Participated in GLOF (Glacial Lakes Outburst Floods) study of UNDP project at Chitral. Analysis of Food Security System in terms of food production, environment management (climate change), food supply chain, value addition & food affordability remained part and parcel of every deliberation throughout professional career. Working relationship with all important and national consulting companies, as NDC, NESPAK, DMC, SMEC-EGC, ACE, ECCS, ECSP, etc.

## Inland Food Security Experience:

ECCS is striving hard as per vision on the footprints of FAO Policy 2011. This policy demands raising public awareness and compliance for National Food Security Process at all places and all the time. ECCS appreciates the endeavours of First DietCare Research Centre (FDRC) institution in Pakistan by highlighting and controlling the triggering adverse factors related to Population Explosion (population genetics & social development), Food Production (plants biomes, pollutants, GHG & carbon capturing), Food Supply Chain (conditions of farm to market roads, storage facilities, cols chain and food marketing), Consumer's Affordability (food economics), Actual Food Consumption (nutrient use, human physiology, adulteration & clinical nutrition) and rapidly depleting Natural Resources (water, land, oxygen).





# *Introduction And Background*

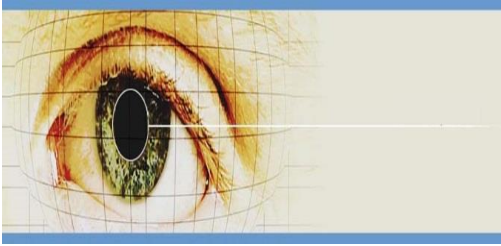


## INTRODUCTION AND BACKGROUND

ECCS started its professional contributions in Pakistan in 1981 when a few strong professionals joined this company. Later in 1988, some of the company's top professionals shifted to Europe and continued their efforts in guiding the local parties in Pakistan. Year 1992 again provided the professionals an opportunity to expand their efforts and mainly focused Baluchistan. Their re-assembling the efforts turned up in Punjab in 1997 and they practically handled a few development projects of natural importance. The company expanded its operations at global level when its top professional was invited by USDA to participate in two animal growth projects and then another regarding human food consumption and global food security system between 2000 and 2002. The Company was Registered by the name Eco-Consult in Pakistan in 2004 and continued environmental and food security operations strength till 2015 when Eco-Consult established a JV Tahir Rasheed Consultants and operated two mega projects by conducting socio-environmental assessment of solar power generation at Chishtian. After this long journey, the company entered into the corporate sector by name and function of EcoCare Consultancy Services (ECCS) Pvt. Limited and registered with the Securities and Exchange Commission Pakistan (SECP) under Section 32 of the Companies Ordinance, 1984 in January, 2016. ECCS is striving for the conservation/preservation of the standard socio-environmental parameters and food security issues which are proactively sensitive to the local/national and regional importance.



## VISION



Strive to establish a sustainable environment as a valuable asset for the people of Pakistan which may in turn provide best options in food security through ample and affordable supply chain.

## MISSION



To be the best advocate of balance of nature and sound ecosystem by supporting Sustainable Development of the Society and Economy.

## STRENGTHS



Highly qualified team and experienced professionals cater for securing the environmental sensitivities with planning and implementation of development projects. Equipped with the latest techniques, knowledge of all environmental and social safeguard policies, legislations and applicable local and international standards/safeguards.



# *About Us*

## ABOUT US

**EcoCare** Consultancy Services (ECCS) is an environment, social and economic development consultancy firm with strong backup of highly qualified, experienced and dedicated professionals. The company has proven track record of specialized/diversified fields and is continuously identifying the current and future demands related to environment and food production and thus food security. ECCS has evolved into a technical company with profound interests in the Environmental and Social Impact Assessment of Climate Change, Water Resources, Alternate Energy, Reduction Emissions, Food Security, Economic Uplift and Capacity Building. ECCS is serving market niche with a broad range of services to a wide spectrum of Commercial and Service Sectors of Pakistan.

ECCS offer comprehensive occupational health and safety advisory services to the business organizations and industries. Compliance of Occupational Health and safety management system reduces workplace incidents and ill health related indirect cost which contributes enhancement in business Production and profitability.

ECCS has a strong record of experienced professional services and partners with a number of collaborating development companies in the following sectors:

- ✓ *Public Sector*
- ✓ *Private Sector*
- ✓ *NGOs*
- ✓ *International Agencies*
- ✓ *Universities*

Major Organs of ECCS are:

- Socio-Environmental / Climate Change
- First DietCare Research Centre (FDRC), Pakistan
- Human Capital Management (HCM)
- Niazi Group of Companies
- Green World Food Marketing, China



*Managing*

*Director's*

*Message*



## Managing Director's Message

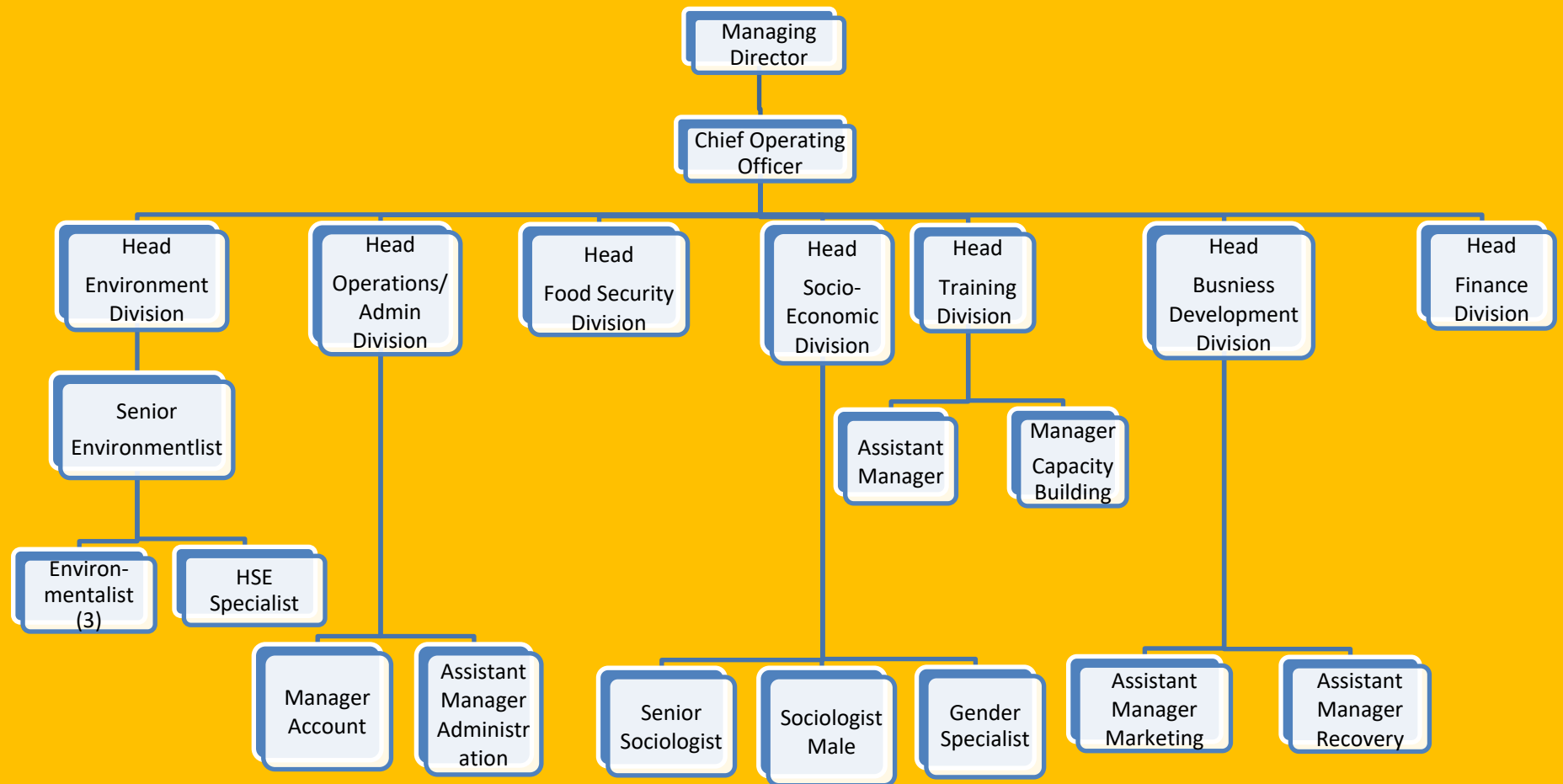
**EcoCare** Consultancy Services (ECCS) Private Limited launched in January, 2016 by submerging its various phases in operation since 1981 to strive in development sector of Pakistan by catering environmental, social and economic issues. The Company has yet a turnover of over of new phase PKR 10 Million (US\$ 100,000 approx.) since its inception and it has so far secured a total of 44 projects. At present, ECCS has staff strength of 20 employees including 15 highly qualified engineers, planners, sociologist, economists, environmentalist, and other professionals, who can deal with, by and large the food security system of Pakistan.

Our profitability is dependent on the quality of work and professional excellence. Therefore, a Quality Management System is strongly in place to ensure best possible solution. Quality control is being achieved by critical internal and external reviews of performance.

We continue to endeavour towards our aim of becoming a leading environmental consultancy organization in Pakistan which could address all foreseeable impacts of Climate Change and Clean Development Mechanism. The combination of rich and diverse experience in environmental consultancy sector of our staff, professional expertise, and willingness to provide best services puts ECCS in a strong position to provide consultancy services of a high standard to its clients. May Allah help us to achieve our goals. Ameen

**Managing Director**

**Dr. Sultan Mahmood**



## ENVIRONMENTAL CARE POLICY:

EcoCare management is committed to meeting the needs of our customers in an environment friendly and sustainable manner. We aim to comply with Environmental management system through the following commitments:

- Setting up Environmental improvement objectives and targets, developing strategies and implementation plan
- To control and minimize the risks to the environment
- Complying with waste management plan, reduction in rework and safe disposal of waste
- Creating awareness amongst our all service providers for improving their environmental performance
- Collaborating with the industrial bodies, government agencies, business partners and other concerned organizations to promote environmental care culture
- Ensuring compliance to applicable environmental legal requirements and take care of external issues and public concerns
- Arranging investigation of environmental safety incidents to prevent recurrence
- Ensuring training and awareness of employees to meet the requirements of environmental care policy





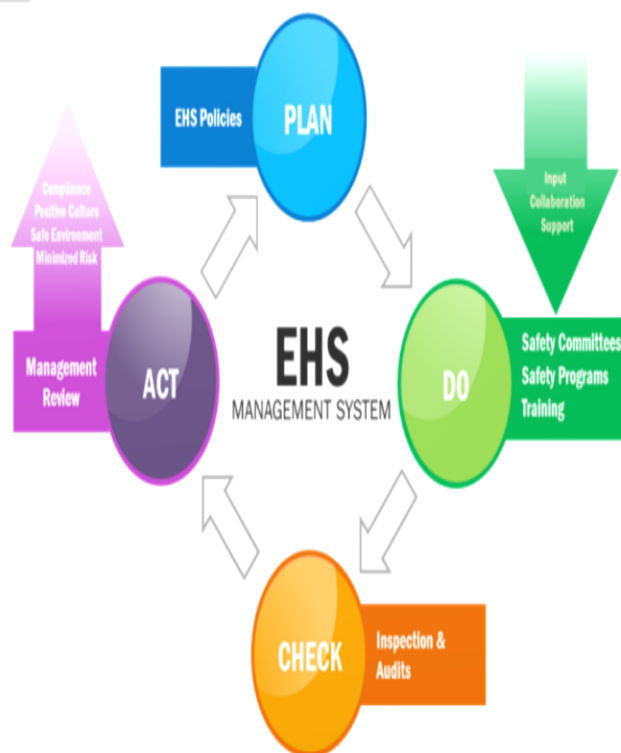
and firefighting systems and its training

- Communicating OH&S policy across the whole organization to achieve safety objectives

## OCCUPATIONAL HEALTH & SAFETY POLICY:

EcoCare management is committed to ensuring a healthy and safe working environment for its employees, contactors, visitors and nearby community. We aim to prevent injuries and illnesses complying with OH&S management system through the following commitments:

- Providing training and awareness on Occupational Health and Safety management system
- Complying with all applicable provincial and federal government legislation
- Reporting and investigating all incidents and initiating corrective/preventive action plans to eliminate or minimize accidents
- Initiating emergency preparedness plan and coordinating its training
- Ensuring appropriate use of PPEs as required
- Complying with the provision of First aid



## RANGE OF SERVICES

### A: Climate Change (CC)



- **Environmental and Social Studies**

ECCS Company is working for development, planning and preservation of social and environmental issues of the area, country and region where different environmental and economic development projects are in operation. It focuses on environment protection, social settings, food security as well as other agro-ecological and socioeconomic disciplines. Recently Company has shown a remarkable progress in terms of development of social and environmental studies i.e. Environmental and Social Impact Assessment (ESIA), Initial Environmental Examination (IEE), Food Security Assessments, and has also acted as Third Party Validation Expert Company for various engineering and poverty alleviation projects.

For all the projects carried out from the ECCS Platform, there is always an Environmental focus which includes the IEE, ESIA, Environmental Monitoring, Environmental Assessments, HSE Audits, Environmental M&E, CDM and Technical Due Diligence etc.,



- **Clean Development Mechanism (CDM) Studies**

Clean Development Mechanism is comparatively new and complex discipline where ECCS fortunately has an experience in terms of providing financial and social services to the pilot project of 100MW Solar Power Generation Project to Government of the Punjab situated in Cholistan, Bahawalpur.

Main services offered by ECCS in various disciplines are:

- Training and Awareness of CDM/ Carbon Credits
- Project Identification
- Project Concept Document
- Project Design Document
- Verification and Registration of CDM Projects
- Carbon Trading



## **B: Biodiversity / Ecology**

### *B1: Biodiversity Parks*

### *B2: Wildlife / Terrestrial Ecology*

### *B3: Aquatic Ecology*

The company is going through the vast experience of biodiversity parks, wildlife & terrestrial ecology as well as aquatic ecology in various parts of Pakistan. Margalla National Park, Muree Biodiversity Park, Kirthar National Park, Manchar Lake Biodiversity, Hunza Lake Biodiversity, Aquatic and Terrestrial Ecology of River Indus and Pattan Valley, Ecological Management Plan For Watershed Communities of Mastuj River, Chitral / Kunhar River Ecology are major projects handled by ECCS.



Policy makers and conservationists describe the importance of Biodiversity through ecosystems i.e. the environment or habitats created by many species interacting, and the efforts made to conserve ecosystems multitude of issues relating to ecosystem services and ecosystem management, as well as its pure sense of species diversity. ECCS has adequate capability to carry out Biodiversity and Biodiversity Risk Assessment studies.

## **C: Water Resources Development**



Water resources development for rural and urban locales, sanitation and health education, water resources management for natural habitation, monitoring surface and groundwater pollution, water quality tests, identification of environmental impacts for suitable ground and surface water resources and regeneration and rehabilitation of the well-fields.

### **C1: Barrages / Canals**

Mainly reservoirs, barrages and canals are the major water resource development structures in this respect.

## **D: Energy Generation**

### *D1: Hydropower*

### *D2: Coal*

### *D3: Solar*

### *D4: Wind*

### *D5: Biogas*

### *D6: Waste to Energy*

Above mentioned are the basic domains of Energy Generation projects handled by ECCS professionals.



The company is providing power solutions based on alternate energy resources i.e. hydropower, Solar Energy and Wind Power, Coal Power Generation, Waste to Energy (Biogas), etc. Major landmark projects at the credit of ECCS professionals are Quaid-e-Azam Solar Park, Bahawalpur, Coal Power generation station at PindDadan Khan, Exploration of Coal Mining at Salt Range, and Biogas Plant erection at Lahore.

### ***E: Forests Reduction Emission through Deforestation and Degradation (REDD)***

To ensure social safe guards in new projects resettlement plans (RP) are produced which ensure that all affected people are duly compensated for their proprietary, occupational and opportunity losses.

After implementation of RPs the affected people are left in a better state than their pre-project condition. The ultimate objective of RP is poverty alleviation amongst the people affected by a project.

#### ***E1: Afforestation***

ECCS is providing services for conducting socio-environmental assessment of afforestation in Punjab. The company is being indulged in *establishment of Urban Forest at three different locations of Lahore.*

#### ***E2:Reduction Emission through Deforestation and Degradation (REDD)***

Reducing emissions from deforestation and forest degradation and the role of conservation, sustainable management

offorests and enhancement of forest carbon stocks by ECCS professionals has been done, with the objective of mitigating climate change through reducing net emissions of greenhouse gases through enhanced forest management.

#### ***E3: Reserve Forests***

The ECCS professionals have done many environment assessments and biodiversity workin different regions of the country notably Murre and Quetta.

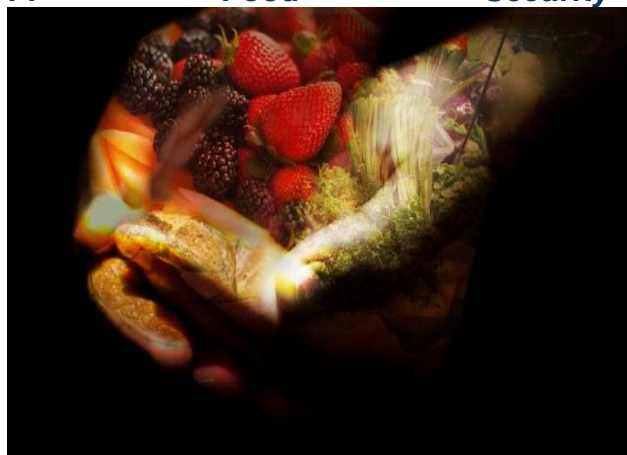
#### ***E4: National Parks***

ECCS team has work done in domain of national parks thatare reserved of natural or semi-natural land, declared or owned by a government, set aside for human recreation and enjoyment, animal and environmental protection and restricted from most development.



ECCS has expertise and capability to undertake RPs and facilitating its implementation. The Company is working on the innovative concept of Urban Forests.

## **F: Food Security**



ECCS strives hard in raising public awareness and compliance for National Food Security Process at all levels, at all places and all the time through endeavours of First Diet Care & Research Centre institution in Pakistan by highlighting and controlling the triggering adverse factors related to Population Explosion, Environmental Factors, Food Supply Chain, Consumer's Affordability, Actual Food Consumption and rapidly depleting Natural Resources.

### ***F1: Food Supply Chain***

Food Supply Chain (conditions of farm to market roads, storage facilities, cold chain and food marketing) is the arduous work done by the company professionals.

### ***F2: Food Utilization / Nutrition***

ECCS professionals have expertise in studies regarding farming households' nutrition, health and income that are important for rural/agricultural development and poverty alleviation. Professionals have assessed the impacts of climate change over food productivity.

### ***F3: Agriculture Production***

Although good environmental practices are increasing, intensive agriculture has led to declines in multiple ecosystem services, such as carbon sequestering, healthy water flows and natural habitats. ECCS Professionals are doing with quality work on food and crop production in different countries like Denmark, Poland and Pakistan. The most notable works are Fibrous foods may hinder protein absorption, Influence of irradiation on the

degradation of high ligno-cellulosic foods, In situ degradability of some high fiber foods and oilseeds, and Nutritional value of Safflower.

### ***F4: Livestock / Poultry Production***

Livestock production is an important part of farming in the world. People are dependent upon livestock production for supplies of food and clothing. The production of livestock as well as poultry involves selection, breeding, feeding, care, and marketing of animals.

### ***F5: Fisheries***

Fisheries are one of the most significant renewable resources that most countries have for food security, livelihoods and economic growth. Worldwide Environment Impact Assessment is the most commonly utilised tool for evaluating environmental concerns, sustainability issues and developing mitigation measures for new development projects.

The EIA system must recognize the interlinked way and complexity of impacts on the environment and social system sometimes yielding unexpected effects.

### ***F6: Food Security***

Climate change is a serious threat to global food security, sustainable development and poverty eradication. In the domain of food security, Environment, climate change and its impact on environment as well as production can be studied by professionals.

### ***F7: Rural Roads***

ECCS has been involved in various programs of rural development particularly in underdeveloped areas of the country. The professionals from ECCS has worked in Balochistan rural support program.

## **G: Urban Development**

### ***G1: Solid Waste Management System***

ECCS professionals have been involved in various projects regarding solid waste management systems like Chitral Solid Waste Management System (SWMS) Development and EIA of Incinerator Hospital Waste Management System with Scrubber, Sheikhupura etc.

### ***G2: Industrial Growth***



ECCS caters for the urban development and city master planning as well as planning for Industrial estates and special economic zones. Hence, it provides strong backstopping to the government.

### *G3: Housing Schemes*

Housing is a fundamental requirement of all human beings and it is a basic objective of society to attempt to satisfy this need. With the ever growing population the need of large number of housing schemes is at peak. ECCS has provided with plethora of Environmental Assessment Reports as well as Initial Assessment Reports. Urban development is one of the major aims of the company. The most notable projects are Five EIAs of Multistorey apartments at different sectors of Islamabad, Initial Environmental Assessment of Sanjwal Model Town (Housing) etc.

### *G4: BRT Mass Transit*

Challenges ideas about promoting Bus Rapid Transit (BRT) as a quick solution to sustainability. Identifies the complexity of urban transport governance in low-income cities. Furthermore, it Highlights factors that create multi-level tensions in effective implementation of Bus Rapid Transit in low-income cities.

### *G5: Tourism*

Negative impacts from tourism occur when the level of visitor use is greater than the environment's ability to cope with this use within the acceptable limits of change. Uncontrolled conventional tourism poses potential threats to many natural areas around the world. Tourism development can put pressure on natural resources when it increases consumption in areas where resources are already scarce. ECCS is an environment friendly company and tackles the hazardous impacts of tourism on environment.

### *G6: Master Planning*

ECCS caters for the urban and city master planning. Major components of master planning are housing and urban planning, development of industrial estates, traffic studies and management, urban forest eco-friendly environments etc.

### *G7: Water Supply Schemes*

ECCS professionals are involved in Environmental Engineering Planning, Designing, Construction, Operation and Maintenance and also conduct an EIA of various Engineering Projects to give mitigation options.

### *G8: Drainage / Liquid Waste Management System*

Drainage and liquid waste management system is under observation of ECCS professionals. They went through various studies in this respects i.e. Establishment of Sewage Water Treatment System at Industrial Area, Chunan etc.



ECCS is providing services for conducting socio-environmental assessment of Solid Waste Management (SWM) systems. Solid Waste (SW) generation and management concern many cities. Several implications, mainly resource-consumption, socio-economic and environmental-sustainability, arise. So in this regard socio-economic and environmental impact assessments are major elements of SWM system.

### *J: Human Capital Management*

ECCS has conducted numerous programs on various environmental, energy efficiency and management issues for instance;

- Environmental Awareness
- Education and
- Waste Management
- Biodiversity
- Energy Conservation
- HSE /Occupational Health and Safety
- Waste Disposal

- Solid and Liquid Waste
- Water Management, Especially on Farm Water Management
- Waste Water Management & treatment
- Environmental Impact Assessment
- Air Pollution and Control
- Environmental Laboratory Techniques
- Environmental Management System
- Resource Conservation
- Cleaner Production

## Master Planning of Economic Zones:

ECCS caters for the urban and city master planning as well as planning for Industrial estates and economic zones and provides strong backstopping to the government. Major components of master planning are housing and urban planning, development of industrial estates, traffic studies and management, urban forest-seco-friendly environments





## Occupational Health and Safety:

We offer comprehensive occupational health and safety advisory services to the business organizations and industries. Compliance of Occupational Health and safety management system reduces workplace incidents and ill health related indirect cost which contributes enhancement in business Production and profitability.

Our highly qualified and experienced professional team is capable for the development, documentation, implementation, and maintenance of Health & Safety Management System/ Manual (OHSAS 18001/ ISO 45001) in public and private sector organizations as follows:

- Health & Safety Policy statement development
- Risk Assessment of Tasks, Equipment, Locations and defining Controls and defences
- Hazards Identification & Elimination
- Preparation and development of safety & health standard operating procedures (SOPs)
- Fire Safety System development, Inspection & Audits
- Incident/Accident reporting and investigation
- Preparation for Internal & External Safety & Health audits
- Incidents & accidents reporting and investigation
- Behaviour based safety and promoting health and safety culture on the workplace
- Safe Management of Contractors / Suppliers / Vendors
- Workplace stress management
- Process Safety Management and Operational Controls
- Emergency Response, preparedness and disaster management
- Health & Safety Documentation and data control system
- Development and implementation of 5S workplace organization system
- Preparation of Tender Documents

- Training and awareness of OHS system
- Awareness of Occupational Health and safety legislation (provincial and federal government Rules and Regulations)



*Professionals*

*Of*

*EE*

## MANAGEMENT DIVISION

- Dr. Sultan Mahmood Managing Director
- Engr. Rebab Maria Mahmood Director Technical
- Dr. Ijaz Ahmad Chief Operating Officer
- Mian Waqar-ul-Islam Advisor

## ENVIRONMENTAL DIVISION

- Engr. Rebab Maria Mahmood Head
- Mr. Rao Abdul Rauf Health & Safety Head
- Ms. Qirat Zahra Environmental Engineer
- Ms. Anmol Islam Environmental Scientist
- Mr. Ameer Nawaz Khan Environmental Engineer
- Rabia Batool Environment Curriculum Specialist
- Ms. Anam Urooj Hydrologist/Content Writer

## SOCIAL ECONOMIC DEVELOPMENT DIVISION

- Mr. Javed Akhtar Head
- Mr. Muhammad Arshad Senior Sociologist
- Dr. Muhammad Jameel Khan Lead Economist
- Zakia Raja Manager NGOs
- Ms. Sana Rahat Ali Deputy Manager NGOs
- Mr. Muhammad Jameel Field Coordinator (South)
- Mr. Tahir Mahmood Field Coordinator (North)

## BUSINESS/ ADMIN/ FINANCE DIVISION

- |                              |                              |
|------------------------------|------------------------------|
| • Engr Athar Aslam           | Manager Business Development |
| • Mr. Saqlain Mahmood        | Assistant Manager HR         |
| • Mr. Syed Muhammad Abdullah | Finance Officer              |
| • Mr. Ghulam Mustafa         | Assistant Finance Officer    |

## FOOD, HEALTH AND SECURITY DIVISION

- |                      |      |
|----------------------|------|
| • Ms. Tahira Chishti | Head |
|----------------------|------|

## TRAINING DIVISION

- |                     |                                   |
|---------------------|-----------------------------------|
| • Hasnain Gerdazi   | Head Training / Capacity Building |
| • Zulqarnain Mughal | Principal Trainer                 |

## INTERNATIONAL / REGIONAL COORDINATORS

- Muhammad Tariq Sohail (UK)
- Muhammad Amin Mehr (KSA)
- Abdul Rasheed Awan (Head North-PK)
- Zulqarnain Mughal (Head South-PK)


## Our professionals enjoyed following positions in various organizations

- **Member BOD** of TR Consultants (2015) & Ivy Engineering Services, Islamabad, (2015) and Unique School System (2004).
- **Chief Environment Expert**, PHYDO Projects, Peshawar, 2013
- **Support Consultant**, Lower Bari Doab Canal (LBDC), Lahore, 2013
- **Chief of Section, Environment/ Social / Resettlement**, World Bank funded Dasu Hydropower Project, 2012
- **Team Leader**, (Social/Environment), ADB funded Small Hydel Project, Lahore 2010
- **Project Manager**, Kharian Irrigation Canal Project, Gujrat, 2006
- **Deputy Team Leader** in WB funded National Drainage Program (NDP), Baluchistan, 2004
- **Head of Section**, Resource Management, Baluchistan Rural Support Program (BRSP), Quetta, 1995-1997
- **Master Trainer** in various projects and organization of scientific congresses, training workshops, annual functions, discussion forums, lectures and seminars, especially through Human Capital Management Consultancy (1992-2017)
- **Vice President and President** in the faculty student's union 1979-80 and simultaneously received **academic distinction** in graduation, UAF 1981. This is a unique credit.





# *EGGS Affiliation With Professional Forums*

<b>Since 2016</b>	Support, Member WWF – Pakistan (75991LID-2016)			World Green Business Association, USA	
<b>Since 2015</b>	Member, Committee of Experts (COE), Punjab-Environment Protection Agency (EPA)			Working Group on Land Acquisition & Resettlement, Punjab, Pakistan	
<b>Since 2014</b>	World Economic Forum, UK			Human Rights Commission of Pakistan (HRCP), Pakistan	
<b>Since 2013</b>	Environment Committee, FPCCI, Islamabad, Pakistan		<b>Since 2012</b>	Global Carbon Capturing & Storage (CCS) Institute, Australia	
	Association of Environmental Professionals (AEP), USA		<b>Since 2011</b>	Defender' Worldwide Fund for Nature (WWF), Pakistan Chapter	
	Environmental Consulting Professionals Group, USA		<b>Since 1995</b>	International Union for Conservation of Nature (IUCN), Pakistan	

*Awards/Fellowships*  
*Received by*  
*EGGOS*  
*Professionals*

## AWARDS / FELLOWSHIPS RECEIVED BY ECCS PROFESSIONALS



- Two Academic Distinctions (1) Graduation, Pakistan, 1981 and (2) Doctorate, Poland, 1992



- Best Research in Human Health' by Khawaja Fareed Sangat Society, Lahore, 2003



- Two Creative Work Certification



- (1) Community Center, NY 2001 and (2) American ABI, 1998



- Public Writing Contributions of the Year in Human Health' by Qarshi Industries, Lahore, 2003



- Two Fellowships holder (1) ESNA, Europe 1989 and (2) USDA Post-Doc, 2001



- Acknowledgement for more than 100 articles in Health & food; Nutrition' by Qarshi Industries, Lahore, 2002-14



- International recognition of 6 Consultancy reports (FAO 1993; NGO 1996 WAPDA 2010)



- Applied Researcher of the Year' by Majeed Memorial, Anjuman Falah Millat, Lahore, 1995



- Appreciation in Consultancy Deliverance in Environment in a World Bank project, TBERMP, 2008



- Foreign Degree holder of the year' Siddique Memorial Award, Anjuman Falah Millat, Faisalabad, 1994

*International  
And  
National Collaboration  
Of  
EGGOS*



## INTERNATIONAL AND NATIONAL COLLABORATION OF ECCS












Sr. #	Agency/Position of Professionals	Period	Country of Work Experience
INTERNATIONAL			
1.	 USAID/ Environment Expert	Intermittent since Jun 2012	Kabul, Afghanistan
2.	 European Union/ Environment Scientist	Aug 2005 & Feb to Mar 2006	Turkey, Spain, Czech & Hungary
3.	 USDA /Exchange Scientist, Food Security	Aug 2001 to Jan 2002	USA
4.	 NORAD - Norwegian Agency for Development/ Environment Scientist	Nov 1997 to Jan 1998 & Apr 2006	Nepal, India
5.	 American Soybean Association (ASA), USA/ Master Trainer at Dubai	Dec 1996 to Feb 1997	UAE
6.	 FAO - Food and Agriculture Organization of UN /Internee at UN City, National Consultant; & Environment Scientist	Sep to Dec 1989; Nov 1992 to Aug 1993; & Jan to Dec 1998	Austria, Pakistan & Germany
7.	 Ministries of Education, Pakistan & Poland/ Exchange Scientist; Research Scholar; & Adjunct	Jan to Aug 1989 and Jan to May 1992	Poland
8.	 EAAP-European Association of Animal Production/ Internee at Agricultural University, Wageningen;& Post-Doc Fellow at Royal Agricultural University, Copenhagen	Sep to Dec 1988; & May to Oct 1992	Holland & Denmark
			




## NATIONAL

1.  Engineering Consultancy Services Punjab (Pvt.) Ltd./ Chief of Section ESRED (Environment, Social, Resettlement & Economic Development) Aug 2013 to Present
2.  SMEC-EGC (Private Consultancy)/ Environment & Resettlement Expert Sep 2012 to Aug 2013
3.  DMC - Development & Management Consultants / Chief of Section, Environment/ Social/ Resettlement Jan 2012 to May 2012
4.  National Engineering Services Pakistan (NESPAC) / Advisor / Principal Social/Environment Scientist April 2007 to Dec 2011 & Intermittent since Dec 2012
5.  Individual Consultant WAPDA / Environment Expert (Fisheries) Oct 2008 to Oct 2008
6.  NDC – National Development Consultants / Principal Environment Expert / Fishery Nov 2004 to Feb 2007
7.  City District Government, Kasur/ Water Treatment Manager Feb 2005 to May 2005
8.  GTZ Germany; BRSP – Baluchistan Rural Support Program / Head of Section, NR & Enterprise Development Division Jan 1994 to Dec 1996
9.  ADB / Livestock Department, Baluchistan / National Consultant (Forestry) Sep 1993 to Dec 1993
10.  IUCN-International Union for Conservation of Nature / Consultant Natural Resources Apr 1993 to Apr 1993
11.  ADB & Government of the Punjab / Assistant Chief / Section Officer / Subject Specialist (Planning and Evaluation, Livestock Development) Aug 1983 to Aug 1988; Feb to Oct 1997; & Jan 1999 to Jul 2000
12.  PARC - Pakistan Agricultural Research Council / Research Associate at College of Veterinary Services (CVS) Jan 1982 to Jul 1983

# *Projects Handled by ECSI Professionals*

## PROJECTS HANDLED BY ECCS PROFESSIONALS



Sr. #	File No.		Sector / Project	Client	Location	Project Duration
INTERNATIONAL PROJECTS						
1	1		Environmental & Social Management Framework Preparation for Energy Efficiency Sub-Project of On-Farm Water Management Operations	USAID	Kabul, Afghanistan	Jun to Aug 2012
2	2		Environment and Sustainable Management of Natural Resources including Energy - Task 2	European Union	Istanbul, Turkey	Feb-March 2006
3	3		Environment and Sustainable Management of Natural Resources including Energy - Task 1	European Union	Madrid, Spain	Feb-March 2006
4	4		Environmental Assessment of Wind Farms (Ostrava, Czech Republic)	European Union	Istanbul, Turkey	Aug-Sep 2006
5	5		Genetically Modified Crops for Livestock (Testing of various nutritional regimens based on grain meals for goats) (Langston University, Oklahoma, USA)	USDA	Oklahoma, USA	Feb 2001 to Jan 2002
6	6		Forest Carbon Stock Measurement Project	NORAD	India / Nepal	April 2006
7	7		Forest Carbon Stock Measurement Project	NORAD	India / Nepal	Nov 1997 to Jan 1998
8	8		Environmental Aspects of Growing Soybean in Asiatic Region (Dubai, UAE)	ASA	Dubai, UAE	Dec 1996 to Feb 1997
9	9		Environmental Impact of Irradiation Techniques in Agriculture and Food Safety (Free University, Berlin, Germany)	FAO/UNDP	Berlin, Germany	1989 & 1998
10	10		Nuclear Techniques in Agriculture (UN City, Vienna, Austria)	FAO/UNDP	Vienna, Austria	1989 & 1998
11	11		Environmental Impact of the use of Irradiation Techniques to improve degradation of complex carbohydrates	Warsaw Agricultural University	Warsaw, Poland	Jan-Jun 1989

Sr. #	File No.	Sector / Project		Client	Location	Project Duration
12	12		Farm Animals and the Environment – Task 2 (Royal Veterinary & Agricultural University)	EAAP & ESNA	Foulum, Denmark	Jan, 1990-Oct, 1992
13	13		Farm Animals and the Environment – Task 1 (Warsaw Agriculture University)	EAAP & ESNA	Warsaw, Poland	Jan1990 to Oct 1992
14	14		In-situ Techniques in Agriculture (University of Wageningen)	EAAP & ESNA	Netherlands	Jan1990 to Oct 1992


## NATIONAL PROJECTS

### A. SOCIO-ENVIRONMENT / CLIMATE CHANGE (SE/CC)



#### 1. CLEAN DEVELOPMENT MECHANISM (CDM) PROJECT

1	A1. i		Public Consultation for Clean Development Mechanism for 100 MW of QASP, Bahawalpur	QASP	Bahawalpur	Feb to Mar 2015
2	A1.ii		Stakeholder Engagement Session of Clean Development Mechanism (CDM) and Environmental Assessment (EA) for Khadim-e-Punjab Ujala Program.	Energy Department Punjab	11 Districts of South Punjab	Feb to March 2018

#### 2. SOCIO-ENVIRONMENTAL RESEARCH PROJECT

3	A2.i		Extent of Arsenic Contamination & its Impacts on Food Chain & Human Health in Lahore	McGill University, Canada	Lahore	4MM
4	A2.ii		Extent of Fecal Coliform Contamination & its Impacts on Food Chain & Human Health in Lahore	McGill University, Canada	Lahore	1MM

#### 3. SOCIO-ENVIRONMENTAL AUDITING PROJECTS




5	A3.i		Laboratory Monitoring of Environmental Parameters for Ghauri Tyres	Chief Minister's Inspection Team	Lahore	Jan-Feb 2018
6	A3.ii		Social and Environmental Audit of the Project by External Environment Auditor, Task 5	Irrigation Depart. Punjab	Muzafargarh	Mar 2007 to Dec 2011 & Jan 2013

#### 4. BIODIVERSITY/ ECOLOGY/ CONSERVATION PROJECTS







7	A4.i		Formulation of Punjab Sustainable Development Strategy	NESPAK	Lahore	2005
8	A4.ii		Baluchistan Conservation Strategy	IUCN	Quetta	1994




Sr. #	File No.	Sector / Project		Client	Location	Project Duration
9	A4.iii		Margalla National Park		Islamabad	
10	A4.iv		Muree Biodiversity Park		Murree, Punjab	
11	A4.v		Kirthar National Park	WB	Jamshoro, Sindh	
12	A4.vi		Manchar Lake Biodiversity		Dadu, Sindh	
13	A4.vii		Hunza Lake Biodiversity		Shahdadt, Sindh	
14	A4.viii		Aquatic and Terrestrial Ecology of River Indus and Paras Valley		Dasu, GT-KPK	
15	A4.ix		Ecological Management Plan For Watershed Communities of Mastuj River		Chitral, KPK	
16	A4.x		Chitral / Kunhar River Ecology		Chitral, KPK	
17	A4.xi		Ecological Management Plan For Watershed Communities of Torkhow River		Chitral, KPK	
18	A4.xii		Patan Valley Biodiversity Park		Abbottabad, KPK	
19	A4.xiii		Chitral Gol National Park		Chitral, KPK	
20	A4.xiv		Sand River Ecology		Lasbella, Baluchistan	
21	A4.xv		Hazarganji National Park		Quetta, Baluchistan	
22	A4.xvi		Hingol National Park		Gawadar, Baluchistan	



Sr. #	File No.	Sector / Project		Client	Location	Project Duration
23	A4.xvii		Machiara National Park		MuzaffarabadAJK	
24	A4.xviii		Taunsa WLS		MuzaffarabadAJK	
25	A4.xix		Aquatic Ecology of Neelum-Jhelum Rivers		Muzaffarabad, AJK	












#### 5. SOCIO-ENVIRONMENTAL ASSESSMENT OF COAL/

26	A5.i		ESIA for the Construction of 220 MW coal fired power plant, Khairpur Tamewali	CMEC China	Bahawalpur	4MM
27	A5.ii		ESIA of 216 MW Thermal Power Generation for Quaid- E- Azam Apparel Park, Sheikhpura	PIEDMC	Sheikhpura	April 2016 to July 2016
28	A5.iii		EIA of Pakistan PindDaden Khan 300 MW Coal Fired Power Plant	CMEC China	PindDadan Khan	Nov 2014 to Mar 2015
29	A5.iv		EIA of Industrial Coal Mining in Salt Range, Punjab	CMEC China	KallarKahar, Chakwal	July 2015 to October 2015
30	A5.v		EIA as a part of Feasibility Study of 215-km Thar-Matyari HVAC Transmission Line of Coal Based Power Plant, Task-2	WAPDA	Lahore	Oct-Dec 2011
31	A5.vi		Feasibility Study of 985-km Thar-Lahore HVDC Transmission Line of Coal Based Power Plant Task-1	WAPDA	Lahore	July-Sep 2011


#### 6. SOCIO-ENVIRONMENTAL ASSESSMENT OF MIXED ENERGY PROJECTS

32	A6.i		IEE of Energy Solution Using Indigenous Resources In Villages for Chak 443/GB (Village 1), Faisalabad	Energy DepartmentPunjab	Faisalabad	2MM
33	A6.ii		IEE of Energy Solution Using Indigenous Resources In Villages for Chak 563 /EB (Village 2), Vehari	Energy Department Punjab	Vehari	2MM

Sr. #	File No.		Sector / Project	Client	Location	Project Duration
<b>7. SOCIO-ENVIRONMENTAL ASSESSMENT OF AFFORESTATION</b>						
34	A7.i		Strategic Environmental Study of Afforestation 187 Lots in Southern Punjab	SPFC	Southern Punjab	6MM
35	A7.ii		Competitive Grant System (CGS) for Establishment of Urban Forest at three different locations of Lahore	PARB	Lahore	
<b>8. SOCIO-ENVIRONMENTAL ASSESSMENT OF SOLAR POWER PROJECTS</b>						
36	A8.i		IEE of 30MW Solar Power PV Project Noorsar, Chishtian, Bahawalnagar	Asia Petroleum, Karachi	Bahawal- nagar	3MM
37	A8.ii	 	IEE of QA Solar Park for 100 MW Solar Photovoltaic Project (Block C), Chishtian, Bahawalnagar	MdeCC – Solution de Energy,	Bahawal- nagar	1MM
38	A8.iii		IEE of QA Solar Park for 100 MW Solar Photovoltaic Project (Block A), ChishtianBahawalnagar	Storm Harbor, USA	Bahawal- nagar	1MM
39	A8.iv		IEE Topographical Survey and Geo-technical Investigations for 50MW Solar PV project near Karachi	TBEA, China	Karachi	4MM
40	A8.v		Supervision Consultancy for Operational phase of QASP for 100MW Solar Project (Block E+F)	Zonergy, China	Bahawalpur	Sep 2016
41	A8.vi		Supervision Consultancy for Operational phase of QASP for 100MW Solar PV Project (Block C+D)	Zonergy, China	Bahawalpur	Aug 2016
42	A8.vii		Supervision Consultancy for Operational phase of QASP for 100MW Solar PV Project (Block A+B)Clearance for Section 14	Zonergy, China	Bahawalpur	July 2016
43	A8.viii		IEE of 24 MW Solar Power Plant, Faisalabad	WASA Faisalabad	Chokera, Faisalabad	March to June, 2015
44	A8.ix		IEE for 50 MW Solar Power Project at Chakwal	Siddique Sons (Pvt.) Ltd	Chakwal	July 2015
45	A8.x		IEE of QA Solar Park Bahawalpur for 100 MW Solar PV Project (Block U5+U6)	Zonergy, China	Bahawalpur	March to June 2015
46	A8.xi		IEE of QA Solar Park Bahawalpur for 100 MW Solar PV Project (Block U3 + U4)	Zonergy, China	Bahawalpur	March to June 2015

Sr. #	File No.	Sector / Project		Client	Location	Project Duration
47	A8.xii		IEE of QA Solar Park Bahawalpur for 100 MW Solar PV Project (Block U1 + U2)	Zonergy, China	Bahawalpur	March to June 2015
48	A8.xiii		IEE of QA Solar Park Bahawalpur for 100 MW Solar PV Project (Block R + T)	Zonergy, China	Bahawalpur	March to June 2015
49	A8.xiv		IEE of QA Solar Park Bahawalpur for 100 MW Solar PV Project (Block Q + S)	Zonergy, China	Bahawalpur	March to June 2015
50	A8.xv		IEE of QA Solar Park Bahawalpur for 100 MW Solar PV Project (Block N + P)	Zonergy, China	Bahawalpur	March to June 2015
51	A8.xvi		IEE of QA Solar Park Bahawalpur for 100 MW Solar PV Project (Block G + J)	Solution de Energy	Bahawalpur	March to June 2015
52	A8.xvii		IEE of QA Solar Park Bahawalpur for 100 MW Solar PV Project Block (H + K)	StormHarbour Company	Bahawalpur	March to June 2015
53	A8.xviii		IEE of QA Solar Park Bahawalpur for 100 MW Solar PV Project (Block E + F)	Zonergy, China	Bahawalpur	March to June 2015
54	A8.xix		IEE of QA Solar Park Bahawalpur for 100 MW Solar PV Project (Block C + D)	Zonergy, China	Bahawalpur	March to June 2015
55	A8.xx		IEE of QA Solar Park Bahawalpur for 100 MW Solar PV Project (Block A+B)	Zonergy, China	Bahawalpur	March to June 2015
56	A8.xxi		EIA of 1000 MW Quaid-e-Azam Solar Park, Cholistan, Bahawalpur	Energy Department Punjab	Bahawalpur	Sep to Nov 2014
57	A8.xxii		IEE of 100 MW Solar Photovoltaic Project, QASP Bahawalpur	Energy Department Punjab	Bahawalpur	May to Aug 2014

#### 9. SOCIO-ENVIRONMENTAL ASSESSMENT OF HYDRO-POWER PROJECTS



58	A9.i		EIA of 52 MW Gehrait-Swirlusht Hydropower Project	Irrigation Department KPK	Chitral	Sep 2012-Aug 2013
59	A9.ii		EIA of 350 MW Istaru-Booni Hydropower Project	Irrigation Department KPK	Chitral	Sep 2012-Aug 2013



Sr. #	File No.	Sector / Project		Client	Location	Project Duration
60	A9.iii		EIA of Detail Design of 970 MW Dasu Hydropower Project (Sub-Component B4 of WCAP, WB)	Wapda	Kohistan	Jan to May 2012
61	A9.iv		Feasibility Study of Small Hydropower Stations in Punjab - Task2	Irrigation Department	10 Districts of Punjab	Aug-Oct 2011
62	A9.v		Feasibility Studies of Small Hydropower Stations in Punjab - Task-1	Irrigation Department	10 Districts of Punjab	Oct-Dec 2010
63	A9.vi		Due Diligence of EIA 2005 of Kotli Hydropower Project	Pak Army	Kotli, ASK	Jan-Apr 2011
64	A9.vii		Updating of EIA 1996 of Neelum-Jhelum Hydropower Project	Wapda	Muzaffarabad	Jan-Sep 2010

#### 10. SOCIO-ENVIRONMENTAL ASSESSMENT OF WATER MANAGEMENT & IRRIGATION PROJECTS






65	A10.i		Aquatic Study of Manchar Lake, Sindh		Manchar Lake, Sindh	Dec 2008-Feb 2009
66	A10.ii		Preparation of Resettlement Action Plan (RAP), NaiGaj Dam	Sindh	Dadu	Sep-Nov 2008
67	A10.iii		Construction of New Khanki Barrage, PC-1 Updates			
68	A10.iv		Monitoring & Evaluation of Resettlement Plans of Lower Bari Doab Canal (LBDC) Implementation Project			Jan-May 2012
69	A10.v		Taunsa Barrage Emergency Rehabilitation and Modernization Project (TBERMP)		Lahore	Apr-May 2007
70	A10.vi		Updating the Feasibility Report of Tank Zam Dam			Aug 2006 to Oct 2006
71	A10.vii		Kharian Irrigation Canal Project (KICP) at Upper Jhelum Canal			May 2006 to July 2006
72	A10.viii		National Drainage Program (NDP) – Lining of Irrigations Channels, Baluchistan	Public Health	Quetta	Jun 2005 to Aug 2005









Sr. #	File No.	Sector / Project	Client	Location	Project Duration
73	A10.ix	 Environment Impact Assessment of Upper Jhelum Canal	Irrigation Department	Jhelum	Nov 2004 to Jan 2005
<b>11. SOCIO-ENVIRONMENTAL ASSESSMENT OF HIGHWAYS / MASS TRANSIT PROJECTS</b>					
74	A11.i	 Pre-Proposal Environment Assessment of KLM, Lahore to Abdul-Hakim Section (230Km)	NHA	Lahore to Abdul-hakim	0.5 M
75	A11.ii	 Pre-proposal Environment Assessment of KLM, Multan to Sukkur Section (400Km)	NHA	Multan to Sukkur	0.5 M
76	A11.iii	 EIA of Installation of Cable Car in Murree from TDCP Bostal More to Pindi Point	TDCP	Murree	1.25MM
77	A11.iv	 EIA of Installation of Cable Cars in Murree from old Murree to Pindi Point	TDCP	Murree	1.1 MM
78	A11.v	 EIA of Installation of Cable Cars in Murree from Musayri to Old Comm. Camp	TDCP	Murree	1.1 MM
79	A11.vi	 EIA of Installation of Cable Cars in Murree From Lower Topa to Kashmir Point	TDCP	Murree	October 2014
80	A11.vii	 Revised EIA of Elevated Expressway (EEW) Project from Main Boulevard Gulberg/Jail Road to Motorway M2	TEPA, LDA	Lahore	Sep 2015 to Dec 2015
81	A11.viii	 EIA of Elevated Expressway from Main Boulevard Gulberg to Motorway M2, Lahore	TEPA, LDA	Lahore	Sep, 2015
82	A11.ix	 EIA of EEW along with Metro Bus Service from Zafar Ali Road/Main Boulevard Gulberg to Ring Road/Motorway M2, Lahore	TEPA, LDA	Lahore	Aug to Dec 2014
83	A11.x	 EIA of Dualization of Roads from LOS Ferozepur Road to Multan Road	TEPA, LDA	Lahore	Jan to May 2014
84	A11.xi	 IEE of Reengineering and Realignment of Jail Road Underpass, Lahore	TEPA, LDA	Lahore	Sep 2013 to Jan 2014
85	A11.xii	 Update Resettlement Action Plan (RAP) of Sehwan-Rattodro Road Project (N-55)	NHA	Sehwan-Rattodro	Sep 2012 to Aug 2013
86	A11.xiii	 Construction / Widening of Kashmir Highway, Islamabad	CDA	Islamabad	Mar 2007 to Dec 2011 & Jan 2013
<b>12. SOCIO-ENVIRONMENTAL ASSESSMENT OF WASTE MANAGEMENT/ DRAINAGE PROJECTS</b>					


Sr. #	File No.	Sector / Project		Client	Location	Project Duration
87	A12.i		EIA of SW Transfer Station & Recycling of C&D Waste at ThokarNiazBaig, Lahore	LWMC	Lahore	Nov 2015 to Feb 2016
88	A12.ii		EIA of Solid Waste Landfill Site at BhindaDakhli, Bahawalpur	BWMC	Bahawalpur	Sep to Dec 2015
89	A12.iii		Integrated Waste Management Services at Bhit	KUFPEC	Islamabad	One Year 2015
90	A12.iv		Integrated Waste Management Services at Different Sites	POGC	Islamabad	One Year 2015
91	A12.v		Integrated Waste Management Services at Different Sites	MOL Pakistan	Islamabad	Two Years 2013 to 2014
92	A12.vi		Black Magic Mud Disposal Services at Margalla Block Rig	MOL Pakistan	Islamabad	One Year 2014
93	A12.vii		Integrated Waste Management Services at Different Sites	MOL Pakistan	Islamabad	One Year 2010
94	A12.viii		Chitral Solid Waste Management System (SWMS) Development	CIADP	Chitral	Aug 2013 to Feb 2014
95	A12.ix		Baluchistan Effluent Disposal into Right Bank Outfall Drain Section III (RBOD-III) Project	Larkana Usta Muhammad	Sindh	Feb 2006 to Apr 2006
96	A12.x		Establishment of Sewage Water Treatment System at Industrial Area, Chunian	TMA Kasur	Chunian	May 2005 to Jun 2005
97	A12.xi		EIA of Incinerator Hospital Waste Management System with Scrubber, Kharianwala, Sheikhupura	Mediland, Lahore	Sheikhupura	2MM
98	A12.xii		IEE of AmanatUllah (Scrap Handling) Company, Khanewal	M/S AmanatUllah	Khanewal	2MM
99	A12.xiii		IEE of AmanatUllah (Scrap Handling) Company, Sheikhupura	M/S AmanatUllah	Sheikhupura	2MM
<b>13. SOCIO-ENVIRONMENTAL ASSESSMENT OF URBAN DEVELOPMENT PROJECTS</b>						
100	A13.i		IEE of Salt'n Pepper Restaurant, Bahawalpur	Mr.Nauman	Bahawalpur	2MM
101	A13.ii		IEE of City Café & Grill, Bahawalpur	Mr. Salman Akram Ch.	Bahawalpur	1MM

Sr. #	File No.	Sector / Project		Client	Location	Project Duration
102	A13.iii		IEE of Commercial Building City Mall, Bahawalpur	Mr.TanveeSo hail	Bahawalpur	2MM
103	A13.iv		IEE of Commercial Building Guezzated officers colony, Bahawalpur	Mr.KazimHus sain	Bahawalpur	2MM
104	A13.v		IEE of Malik Surgimed Hospital, Bahawalpur	Mrs.SajidaParveen	Bahawalpur	2MM
105	A13.vi		IEE of Khayaban-e-Arshad Housing Scheme, RYK	M. Arshad	Rahim Yar Khan	2MM
106	A13.vii		IEE of Saif and Arif City, Okara	SaifUllah	Okara	2MM
107	A13.viii		IEE of Sattar Garden Housing Scheme, Khanewal	M. Arshad	Khanewal	2MM
108	A13.ix		IEE of Umar Society, Okara	Mr.Anwer	Okara	2MM
109	A13.x		IEE Study as a part of Pre-Feasibility study of 14 Road Development Schemes in Gawadar	Govt. of Oman	Gawadar	Sep 2005 Nov 2005
110	A13.xi		EIA of Multistorey apartments at sector I-16/3, Islamabad	PHA Foundation	Islamabad	Apr-May 2007
111	A103xii		EIA of Housing Scheme at Kurri Road, Islamabad	PHA Foundation	Islamabad	3MM
112	A13.xiii		EIA of Multistorey apartments at sector I-12, Islamabad	PHA Foundation	Islamabad	3MM
113	A13.xiv		IEE of Multistorey apartments at sector G-10/2, Islamabad	PHA Foundation	Islamabad	3MM
114	A13.xv		IEE of Multistorey apartments at sector G11/4, Islamabad	PHA Foundation	Islamabad	3MM


Sr. #	File No.	Sector / Project		Client	Location	Project Duration
115	A13.xvi		IEE of Gulshan-e-Wahab Housing Scheme	Abdul Rehman	Khanewal	2MM
116	A13.xvii		IEE of Sadiq Gardens, Okara	Mr. Khalid	Okara	2MM
117	A13.xviii		IEE of Fazal Villas	Mr.Nadeem	Bahawalnagar	3 Aug, 2018 – Present
118	A13.xix		IEE of AWT Housing Scheme	Army Welfare Trust	Lahore	
119	A13.xx		IEE of Sanjwal Model Town (Housing)	Mr. Sohail Malik	Attock	5 Nov, 2018 – Present

#### 14. ENVIRONMENTAL ASSESSMENT OF INDUSTRIAL/ ECONOMIC ZONES PROJECTS

120	A14.i		EIA of Welcome Agro-Chemical Granular Formulation Plant, Bahawalpur	M. Azam	Bahawalpur	3MM
121	A14.ii		IEE of BukhshEllahi& Sons (ice-cream stick) Manufacturing Company, Faisalabad	M/S Bukhsh Ellahi	Faisalabad	1MM
122	A14.iii		IEE of Shahzaib Gas (Pvt.) Ltd. Bahawalpur	Mr.Basheer	Bahawalpur	1MM
123	A14.iv		IEE of Muhammadi Cold Store, Bahawalpur	Mr. M Shahzad	Bahawalpur	1MM
124	A14.v		IEE of Waqas Industries (Oil Mills), Bahawalpur	Mr.Waqas	Bahawalpur	1MM
125	A14.vi		IEE of Umar Poultry Farm, Bahawalpur	M. Arshad	Bahawalpur	1 MM









Sr. #	File No.	Sector / Project		Client	Location	Project Duration
126	A14.vii		IEE of Bilal Oil Mills, Bahawalpur	M. Arif	Bahawalpur	1MM
127	A14.viii		IEE of Pak Rice Mill Ahmad Pur	Amir Mumtaz	Bahawalpur	1MM
128	A14.ix		IEE of Welcome Oil Company, Bahawalpur	M.Azam	Bahawalpur	1MM
129	A14.x		IEE of Allah-o-Akbar Protein Farm, Bahawalpur	M.Ahmer	Bahawalpur	1MM
130	A14.xi		IEE of Lodhi Protein Farm (Control Shed), Lodhran,	M Salman Khan Lodhi	Lodhran	1MM
131	A14.xii		IEE of Madina Protein Farm (Control Shed), Bahawalpur	Waqas Malik	Bahawalpur	1MM
132	A14.xiii		IEE of Khawaja Poultries, Bahawalpur	IrfanShoukat	Bahawalpur	1MM
133	A14.xiv		IEE of Malik Proteins (Control Shed), Bahawalpur	Arshad Sharif	Bahawalpur	1MM
134	A14.xv		IEE of Amin Protein Farm (Control Shed), Bahawalpur	Mr. Amin Akbar Sheikh	Bahawalpur	1MM
135	A14.xvi		IEE of Choudhary Control Shed, Vehari	Mr.RiazShareef	Vehari	1MM
136	A14.xvii		IEE of Qandhari Protein Farm, Vehari	Abdul Jabbar	Vehari	1MM
137	A14.xviii		IEE of Malik Control Shed, Layyah	Mr. Tariq	Layyah	1MM
138	A14.xix		IEE of Umar Protein Farm, Muzaffargarh	M. Ishaq	Muzaffargarh	1MM
139	A14.xx		IEE of Global Protein Farm, Muzaffargarh	Mr.QadirBukhsh	Muzaffargarh	1MM






Sr. #	File No.	Sector / Project		Client	Location	Project Duration
140	A14.xxi		IEE of Pak Rice Mill Ahmad Pur, Bahawalpur	Mr. Amir Mumtaz	Bahawalpur	1MM
141	A14.xxii		IEE of Shahid & Brothers Rice Mill Bahawalnagar	Shujaud Din	Bahawal-nagar	1MM
142	A14.xxiii		IEE of Usman Poultry Farm, Vehari	Abdul Jabbar	Vehari	1MM
143	A14.xxiv		IEE of Gujjar Poultry Farm, Pakpattan	Mr. Sultan Akbar	Pakpattan	1MM
144	A14.xxv		Adam Cotton Industry Bahawalpur	Talib Hussain	Bahawalpur	1MM
145	A14.xxvi		M/S Salsabil Rice & Processing Mills, BWP	Ameen Peer Muhammad	Bahawalpur	1MM
146	A14.xxvii		M/S Shahid Waqas Flour and General Mills	Ghulam Kiberya	Rahim Yar Khan	2MM
147	A14.xxviii		Momin Protien Farm, BWP	M. Rfan Sarwar	Bahawalpur	2MM
148	A14.xxix		Al-Haseeb Protien Farm	M. Naveed Hayat	Bahawalpur	2MM
149	A14.xxx		Roshan Shed	Ahsan	Bahawalpur	2MM
150	A14.xxxi		GM Cables	Ch. M. Stratal	Lahore	3MM




Sr. #	File No.	Sector / Project		Client	Location	Project Duration
151	A14.xxxii		Great Man Multi Products	Ch. M. Jameel	Lahore	3MM
152	A14.xxxiii		Noor Pipe Industries	M. Asif	Lahore	1MM
153	A14.xxxiv		Fort Energy LPG Plant	M. Arif	Bahawal-nagar	1MM
154	A14.xxxv		EIA Coal Mining	M. Asif	Khushab	3MM
155	A14.xxxvi		Shale Gas LPG	RaoHaroon	Rahim Yar Khan	1MM
156	A14. xxxvii		Maxim International Clearance for Section 14	Anwaar	Khanewal	3MM
157	A14. xxxviii		NasirKhursheed Packages	Mr.Aqeel	Sheikhupura	3MM
158	A14. xxxix		Al-Wasi Poultry Farm	Mr.Sarmad	Okara	2MM
159	A14. XL		Al barkatProten Farm	M. Mahmood	Pakpatan	2MM
160	A14. XLi		Chaudhary Control Shed Layyah	RiazShareef	Layyah	2MM
161	A14. XLii		Bhalli and Sons Asphalt Plant	Mr.javed	Sheikhupura	3MM

Sr. #	File No.	Sector / Project		Client	Location	Project Duration
162	A14. XLiii		Alhammdali Petroleum Storage	Mr.Qasim	Rajanpur	3MM
163	A14. XLiv		Azizi Textile, Dyeing	Mr.Irfan	Faisalabad	2MM
164	A14. XLv		Al-Khaleej Lubricants	Mr. Khalid	Sheikhupura	2MM
165	A14. XLvi		Zain- ul-Abideen Cotton Industry		Sheikhupura	1MM
166	A14. XLvii		Neutraceuticals	Mr.Sohail	Faisalabad	2MM
167	A14. XLviii		IEE of Alhammdali Oil Storage	Mr.Qasim	Rajanpur	3MM
168	A14. XLix		Hashmi Poultry Farms	Mr.Faheem Ahmed	Attock	1MM
169	A14. L		Majestic Pharma	Dr.Saleem	Faisalabad	2MM
170	A14. LI		Rana's Poultry Farms	Miss Kalsoom	Attock	1MM
171	A14. LII		Muaaz Protein Farm	Mr. Rana Sarfraz	Attock	1MM
172	A14. LIII		Asian Gelatin Industries	Mr.Zohaib	Shiekhupura	2MM

Sr. #	File No.	Sector / Project		Client	Location	Project Duration
173	A14. LIV		Quaid e Azam Industrial Estate (QIE)	Ghauri Rubber Industry	Lahore	3 MM
174	A14. LV		Sunder Industrial Estate (SIE)	PIEDMC	Lahore	2MM
175	A14. LVI		Faisalabad Industrial Estate	FIEDMC	Faisalabad	2MM
176	A14. LVII		Rahim Yar Khan Industrial Estate	PIEDMC	Rahim Yar Khan	3MM
177	A14. LVIII		Multan Industrial Estate	MIEDMC	Multan	2MM
178	A14. LIX		Sialkot Industrial Estate	SIEDMC	Sialkot	1MM
179	A14. LX		Rawalpindi Industrial Estate	RIEDMC	Rawalpindi	2MM
180	A14. LXI		Bahawalpur Industrial Estate	BIEDMC	Bahawalpur	2MM




#### 15. SOCIO-ENVIRONMENTAL ASSESSMENT OF MINING LEASE PROJECTS

181	A15.i		IEE of Golewali Mining Lease-1, Quaidabad	PUNJMIN	Quaidabad	1MM
182	A15.ii		IEE of Golewali Mining Lease-2, Quaidabad	PUNJMIN	Quaidabad	1MM
183	A15.iii		IEE of Golewali Mining Lease-3, Quaidabad	PUNJMIN	Quaidabad	1MM


Sr. #	File No.	Sector / Project		Client	Location	Project Duration
184	A15.iv		IEE of Marmandi Mining Lease, Quaidabad	PUNJMIN	Quaidabad	1MM
185	A15.v		IEE of Kupper Mining Lease, Khewra	PUNJMIN	Khewra	1MM
186	A15.vi		IEE of Jutana Mining Lease-1, Khewra	PUNJMIN	Khewra	1MM
187	A15.vii		IEE of Jutana Mining Lease-2, Khewra	PUNJMIN	Khewra	1MM
188	A15.viii		IEE of Waralah Mining Lease, Khewra	PUNJMIN	Khewra	1MM
189	A15.ix		IEE of MianMitha Mining Lease, Khushab	PUNJMIN	Khushab	1MM
190	A15.x		IEE of Chambal Mining Lease, Khushab	PUNJMIN	Khushab	1MM
191	A15.xi		IEE of Katha Mining Lease, Khushab	PUNJMIN	Khushab	1MM
192	A15.xii		IEE of Waula Mining Lease, Dandot	PUNJMIN	Dandot	1MM
193	A15.xiii		IEE of Dandot Mining Lease, Dandot	PUNJMIN	Dandot	1MM
194	A15.xiv		IEE of Mining Lease for Ordinary Sand, Qaboola Zone + City Zone 2, Arifwala, Pakpattan	Mr.HamzaShahid	Pakpattan	1MM

Sr. #	File No.	Sector / Project		Client	Location	Project Duration
195	A15.xv		Aziz Rock Salt Mining			1MM
196	A15.xvi		Coal Mining	M. Asif	Khushab	1MM
197	A15.xvii		Sand Gravel Excavation	Construction Professionals Associate	Attock	1MM
198	A15.xviii		Rockwell Stone Crusher	Mr.Masood Anwar	Khushab	1MM


#### 16. SOCIO-ENVIRONMENT ASSESSMENT FOR THIRD PARTY VALIDATION (TPV) PROJECTS

199	A16.i		Third Party Evaluation of Murree Biodiversity Park (MBP), Murree	EPA, Punjab	Murree	Aug to Oct 2014
200	A16.ii		Third Party Validation of Khadam-E-Punjab Rural Road Program	CNW Department Punjab	Punjab	1MM
201	A16.iii		Third Party Validation of Waste Management on Eid ul Azha, 2018	LWMC	Lahore	Aug-Nov, 2018


#### 17. SOCIO-ENVIRONMENTAL QUALITY ASSURANCE PROJECTS

202	A17.i		Quality Assurance of the EIA of Kachhi Canal Project		Lahore	May-Jul 2008
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#### 18. SAFE & SECURE CITIES

203	A18.i		Budgeting of Socio-Economic Survey of Punjab Police Integrated Command and Control Centre (PPIC3) Project	Punjab Safe City Authority	Gujranwala, Rawalpindi, Faisalabad, Multan, Sargodha & Bahawalpur	3MM
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#### 19. SOCIO-ENVIRONMENTAL MONITORING/ COMPLIANCE PROJECTS

204	A19.i		Laboratory Monitoring of Environmental Parameters for Elevated Expressway Project	TEPA / LDA	Lahore	
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Sr. #	File No.	Sector / Project		Client	Location	Project Duration
205	A19.ii		Laboratory Monitoring of Environmental Parameters for QASP	QA Solar Company	Bahawalpur	
206	A19.iii		Laboratory Monitoring of Environmental Parameters for Ghauri Tyres	Chief Minister's Inspection Team	Lahore	
207	A19.iv		Laboratory Monitoring of Environmental Parameters for PPIC3	Punjab Safe City Authority	Lahore	
208	A19.v		Air Dispersion Modelling of Elevated Expressway Project at Lahore	LDA	Lahore	2MM
209	A19.vi		EPM of Package 5 & 6 of Swat Highway (N-95)	ADB	Swat	2MM
210	A19.vii		Compliance of Environment Management Plan (EMP) of M4 (Khanewal to Multan Motorway) Project	NHA	Lahore	Sep 2012 to Aug 2013
211	A19.viii		Environmental Compliance of Welcome Agrochemical Industry	Mr. M. Azam	Bahawalpur	

#### Legend

MM: Man Month, CMEC: China Machinery Engineering Corporation, EPA: Environment Protection Agency, LDA: Lahore Development Authority, TDCP: Tourism Development Corporation Pakistan, NHA: National Highway Authority, PIEDMC: Punjab Industrial Estate Development Corporation, LWMC: Lahore Waste Management Company, QASP: Quaid-e-Azam Solar Power, BWMC: Bahawalpur Waste Management Company, CMIT: Chief Minister Inspection Team, CIADP: Chitral Integrated Area Development Program, SPFC: South Punjab Forest Company

*Part B*




*First DietCare*



*Research Centre*

*(fDRC)*







## B. FIRST DIETCARE RESEARCH CENTER (FDRC)

### 1. INTERNATIONAL RESEARCH PROJECTS





SR #	File No.		Project Name	Institute	Duration
208	B1.i		Effects of various milk restriction regimes on growth of Alpine kids	Langston University, Agriculture Research and Extension, USA	Jan-Jun 2001
209	B1.ii		Effects of milk replacer diet on meat quality and fat composition of suckling goat kids	Langston University, Agriculture Research and Extension, USA	Jan-Jun 2001
210	B1.iii	 LOMA LINDA UNIVERSITY	Role of Chromium in Insulin Insufficiency in the Obese Population of San Berdino County	Loma Linda University of Medical Sciences, San Berdino, CA, USA	Aug-Dec 2000
211	B1.iv		Fibrous foods may hinder protein absorption	Freie University, Berlin, Germany	1991
212	B1.v		Biogas production from energy crops and crop residues	Freie University, Berlin, Germany	1991
213	B1.vi		Standardization of Orskov equation of protein degradation	Royal University of Agriculture and Veterinary Sciences, Copenhagen, Denmark	May-Oct 1992
214	B1.vii		Influence of irradiation on the degradation of high lingo-cellulosic foods	Royal University of Agriculture and Veterinary Sciences, Copenhagen, Denmark	May-Oct 1992
215	B1.viii		Effect of fixed dose irradiation on food safety In-vitro and in-vivo	Warsaw Agricultural University, Warsaw, Poland (Doctoral dissertation)	1992
216	B1.ix		In situ degradability of some high fiber foods and oilseeds	Warsaw Agricultural University, Warsaw, Poland (Doctoral dissertation)	1992













217	B1.x		Apparent digestibility of various nutrients in-vivo	Warsaw Agricultural University, Warsaw, Poland (Doctoral dissertation)	1992
218	B1.xi		City Health and Fitness Center, Pty, Warsaw, Poland	Warsaw Agricultural University, Warsaw, Poland (Doctoral dissertation)	1992





## 2. NATIONAL RESEARCH PROJECTS

SR #	File No.	Project Name	Institute	Duration	SR #
219	B2.i		Study of the blood physiology of Domestic Camel (Dromedaries Camalus)	University of the Punjab, Lahore	1989
220	B2.ii		Economical and efficient feeding trials: 1. Urea & Ammonia Treatment to Wheat Straw & Sugarcane Pith	Punjab Nutrition Center, DeraChahl, Lahore	1984-1985
221	B2.iii		Nutritional value of linseed	University of Agriculture, Lahore Campus CVS (now UVAS)	1982-83
222	B2.iv		Nutritional value of Safflower	University of Agriculture, Lahore Campus CVS (now UVAS)	1982-83
223	B2.v		Economic evaluation of indigenous and crossbred poultry products	University of Agriculture, Lahore Campus CVS (now UVAS)	1982-83
224	B2.vi		Using bird models in human nutrition research	University of Agriculture, Lahore Campus CVS (now UVAS)	1982-83

## 3. INTERNATIONAL DEVELOPMENT SECTOR PROJECTS

225	B3.i		Participation in the Continuing Medical Education (CME)	Columbia University Medical Center (CUMC), New York, USA	
226	B3.ii		Support Services to Pakistan Community Center	Pakistan Community Center (PCC), Brooklyn, New York, USA	
227	B3.iv		Weekly Newspaper 'Sada-e-Pakistan'	Pakistan Community Center (PCC), Brooklyn, New York, USA	
228	B3.v		PCC Adult Literacy Program	Pakistan Community Center (PCC), Brooklyn, New York, USA	

229	B3.vi		Herbal life business opportunity	Manhattan, New York City, USA
230	B3.vii		General Nutrition Company (GNC), Perris City Outlet.	Riverside County, California, USA
231	B3.viii		Toastmaster International Club™	Riverside County, California, USA
SR #	File No.	Project Name		Institute
232	B3.ix		Education Attaché, Pakistan Embassy	Pakistan Embassy, Warsaw Agricultural University, & Private Sector, Warsaw, Poland
233	B3.x		English Instructor, TOEFL, British Council, Warsaw	Pakistan Embassy, Warsaw Agricultural University, & Private Sector, Warsaw, Poland
<b>4. NATIONAL DEVELOPMENT SECTOR PROJECTS</b>				
<b>a. Nutrition Clinic</b>				
234	B4.ai		Food Therapy to Public Suffering from Metabolic Diseases.	First Diet-Care Research Center (FDRC), Lahore
<b>b. Food Supplements Division</b>				
235	B4.bi		Aloe-Vera drink as health promoter	Aloe-Pak Pty Limited, Lahore
236	B4.bii		Aloe-Vera gel as health promoter	Aloe-Pak Pty Limited, Lahore
<b>c. Mass Communication</b>				
237	B4.ci		Food & Nutrition Information Dissemination	Royal, Shalimar, PTV Quetta & Paigham television channels
<b>d. Consultancy to Private Food, Medical &amp; Herbal Sector</b>				
238	B4.di		Public Health Awareness, Pakistan Tibbi Conference	Qarshi Industries (Pvt) Limited, Lahore
239	B4.dii		Review and Quality Assurance of Springley Water Unit	Qarshi Industries (Pvt) Limited, Lahore
240	B4.diii		Establishment of Herbal Ecological Information, System at Qarshi Herbal Gardens	Qarshi Industries (Pvt) Limited, Lahore

241	B4.div		Medical College Nutrition Teaching Program	1) Gurki Medical College, Lahore 2) Lahore Medical College, Lahore 3) Institute of Public Health, Lahore
SR #	File No.	Project Name		Institute
242	B4.dv		Hospital diabetics program (Output: 20 diabetes medical camps)	1) National Hospital and Medical Centre, DHA, Lahore, 1999 2) Shalamar Hospital and Medical Centre, Lahore 3) Diabetic's Institute Pakistan (DIP), Lahore, 1997-98 4) Bashir Medical Complex, Lahore, 1998-99
243	B4.dvi		Food and nutrition awareness to continuing medical education (CME)	Pakistan Academy of Family Physicians (PAFP, former PSFP)
244	B4.dvii		Replication of Idara-e-Kisan	Pak-Germen Technical Cooperation (GTZ), Lahore
<b>e. WORLD FOOD DAYS OBSERVED BY FDRC –ECCS</b>				
245	B4.ei	Agricultural cooperatives – key to feeding the world		2011
246	B4.eii	Food prices - from crisis to stability		2010
247	B4.eiii	United against hunger		2009
248	B4.eiv	Achieving food security in times of crises		2008
249	B4.ev	World food security: the challenges of climate change and bio-energy		2007
250	B4.evi	The right to food		2006
251	B4.evii	Investing in agriculture for food security		2005
252	B4.eviii	Agriculture and intercultural dialogue		2004
253	B4.eix	Biodiversity for food security		2003



254	B4.ex	Working together for international alliance against hunger	2002
255	B4.exi	Fight hunger to reduce poverty	1999
256	B4.exii	A millennium free from hunger	1998
257	B4.exiii	Investing in food security	1997

FECCS

*Part 6*

*Right Aid  
for Humanity*

## C. RIGHT AID FOR HUMANITY

Sr. #	File No.	Sector / Project		Client	Location
258	C1		Ha Noi 3R Sustainable 3R Declaration- Sustainable 3R Goals for Asia and the Pacific	UNCRD	
259	C2		Constitution of Brikin Klin of SAARC		
260	C3		Policy Study on Work Modality in Coordination with SDPI & PIDE		
261	C4		LWMC Scavengers	LWMC	
262	C5		Analysis of Potential Contribution of China-Pakistan Economic Corridor- CPEC to Sustainable Development Goals in Pakistan		
263	C6		Regional Workshop on Sustainable Agricultural Development	PARC	Quetta

*Part D*

*Human Capital  
Management  
(HCM)  
&  
Trainings /  
Capacity Building*

## D. HUMAN CAPITAL MANAGEMENT (HCM)

Sr. #	File No.	Sector / Project		Client	Duration
264	C1		Socio Environmental issues of On-Farm Water Management Training (intermittent) at Punjab WMTI	World Bank, WMTI, Punjab	2011-17
265	C2		Awareness in Corporate sector for Govt. Regulations on Gender Issues to meet with Corporate Social Responsibility	Aurat Foundation, Godh Foundation	5MD
266	C3		Awareness in Corporate Sector for Govt. Regulations on Gender Issues to meet with CSR, Lahore	USAID, Aurat Foundation	April 2016
267	C4		Environment Training to On-Farm Water Management (OFWM) Project, Punjab		Nov 2011- Jan 2013
268	C5		Development of Social Infrastructure of the Project Affected Persons collaboration with Punjab Rural Support Program, Task 3, Punjab		July-Oct 2007

## TRAININGS/ CAPACITY BUILDING

Professionals of the company are trained in following disciplines:

### 1. Food & Nutrition

Sr. #	File No.	Sector / Project	Duration
269	D1.i	Training of Professionals For Environmental Monitoring for 300MW Solar PV Plant, Bahawalpur, Zonergy, China	2016
270	D1.ii	Project Management Package (PMP) with Prima Vera, PMI	2014
271	D1.iii	Long term professional training received in Pakistan & Poland, and short-term in Germany, Denmark, Austria, Holland, Hungary, Czechoslovakia, etc.	1976 – 2012
272	D1.iv	Stress Management at Work Place, ISS, Lahore	2012
273	D1.v	Brain boosting techniques, ISS, Lahore	2012
274	D1.vi	Team Building, NESPAK, Lahore	2011
275	D1.vii	Leadership Skills, NESPAK, Lahore	2011

Sr. #	File No.	Sector / Project	Duration
276	D1.viii	Interviewing Skills, NESPAK, Lahore	2011
277	D1.ix	Workshop on Hepatitis, Qarshi Institute of Tibb& Herbal Medicine, Lahore	2006
278	D1.x	Obesity, reasons & treatment, SamajHealthline, Lahore	2006
279	D1.xi	Diabetes mellitus, Lahore	2005
280	D1.xii	Tibb and challenges of new century, PTC, Lahore	2004
281	D1.xiii	Mustafa conference, monthly QaumiSehat& PTC, Lahore	2003
282	D1.xiv	'Hyperlipidemia, hypertension, skin infections and difficult to treat medical & surgical maladies', by Society of Surgeons, Cardiac Society & PAFP, Lahore	2000
283	D1.xv	Diabetes Mellitus, KEMC & ADEP, Lahore	1999
284	D1.xvi	Women Health, CPS Pakistan & World Bank, Lahore	1999
285	D1.xvii	Nutrition in Health & Disease, SKMCH&RC, Lahore	1999
286	D1.xviii	3-Months Course in Diabetes Mellitus for Family Physicians, Servier / DAP, Lahore	1999
287	D1.xix	Health & nutrition, education & communication for master trainers' IPH, Lahore	1998
288	D1.xx	Child-Mother Education, CPS, Pakistan	1998
289	D1.xxi	Soybean workshop, US Food Grains Council, Dubai	1994
290	D1.xxii	Scandinavian Feeding Systems, Institute of Nutrition, Denmark	1992
291	D1.xxiii	German Feeding Systems, Free University, Berlin, Germany	1992
292	D1.xxiv	Nutritional laboratory analyses and data interpretation techniques, Tecator Systems, Copenhagen, Denmark	1990



Sr. #	File No.	Sector / Project	Duration
293	D1.xxv	Food Ecology, Academy of Agricultural Research, Jebllona, Poland	1990
<b>2. Supportive Subjects</b>			
294	D2.i	Conflict Resolution, NESPAK, Lahore	2011
295	D2.ii	PMP - Project Management, PEA, Lahore	2006
296	D2.iii	Implementing ISO 9000:2000 version, NPO, Islamabad	2003
297	D2.iv	PC-I Preparation, MPDD, Punjab, Lahore	2003
298	D2.v	Financial Management (Module-I), MPDD, Punjab, Lahore	2003
299	D2.vi	Budgeting (Module-II), MPDD, Punjab, Lahore	2003
300	D2.vii	Team Building Skills, INS, New Jersey, USA	2002
301	D2.viii	Public Finance, PPMI, P&D Division, Islamabad	2002
302	D2.ix	Understanding & Implementing ISO 9000, LCCI, Lahore	2000
303	D2.x	Strengthening of Planning and Evaluation, GTZ, Lahore	2000
304	D2.xi	Critical Path Analysis (CPA), AG office, Lahore	2000
305	D2.xii	Project evaluation, PARD, Peshawar	1999
306	D2.xiii	Planning and Development, Punjab Institute of HRD, Lahore	1999
307	D2.xiv	PC-1 Preparation, PARD, Peshawar	1999
308	D2.xv	Office 97 and Basic, Unique Computer School, Lahore	1999
309	D2.xvi	Calculating Internal Rate of Returns (IRR), MPDD, Lahore	1999
310	D2.xvii	Project Planning through SWOT Analysis, MPDD, Lahore	1998

311	D2.xviii	Computer Hardware & Networking, Unique Computer School	1998
312	D2.xix	Log-frame analysis, GTZ, L&DD Department, Lahore	1997
313	D2.xx	M&E of agric. & rural dev. projects, FAO Pakistan, Quetta	1995
314	D2.xxi	Effective Communication & Team Building, BRSP, Quetta	1995
315	D2.xxii	Sustainable Rural Development, PARD, Peshawar	1994
316	D2.xxiii	Project Planning & Economic Appraisal, GTZ / L&DD, Lahore	1988
317	D2.xxiv	FORTTRAN language, Punjab University, Lahore	1984
318	D2.xxv	Computer Literacy & latest applications, e.g. web	1984 – 2012

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